



Product Name:

LIGHTHOUSE INFINITY ACRYLIC URETHANE ELASTOMERIC SEALANT (L585-1, L585-17, L585-22)

PRODUCT DESCRIPTION

Infinity Acrylic Urethane Elastomeric Sealant is a waterborne high performance sealant, easy to apply and tool. It provides a minimum of 500% elongation and meets performance requirements of Fed. Spec. TT-S-00230C, Type II, Class B. and ASTM C920, Type S, Grade NS, Class 12.5. **Infinity** provides superior adhesion, elasticity, and durability, and the internally plasticized formula resists dirt-pick, yellowing, paint fading, and shiners.

PROMINENT FEATURES:

- o Non-flammable.
- o No obnoxious odor
- o Essentially non-yellowing
- o Contains no solvating plasticizers
- o Paintable
- o Soap and water clean up.

BASIC USES

Uses: Can be used to positively seal a variety of tougher than normal joint openings, such as selective expansion and control joints. Can be used on a wide variety of substrates including wood, glass, drywall, plaster, metal, concrete, ceramic tile, and brick. Can be used for interior or exterior applications such as doors, windows, baseboards, trim and crown molding, pipes, vents, flashing, siding, kitchens and bathrooms.

SURFACE PREPARATION

All surfaces must be firm and free of dirt, oil, efflorescence, grease, mildew and loose material. Unsound masonry must be wire brushed or blasted for a firm surface. Dirt, loose contaminants and chalk are best removed by high pressure chemical and water blasting. Any chalk or porous coating not removed by pressure washing must first be sealed with an alkali resistant surface conditioner. To remove mildew, scrub with a solution of 3 heaping teaspoonful of Trisodium Phosphate (TSP), 1 quart of Hypochlorite

Household bleach and 3 quarts of warm water (wear protective goggles and impervious gloves.) Rinse thoroughly and allow to dry. Non-structural shrinkage cracks (larger than 1/16") and non-structural movement cracks (larger than 1/16" up to 1/4") must be treated and repaired accordingly. Special Notice: Prior to sealant application, the moisture content of hardboard siding and other timber derived surfaces should be checked to ensure that it falls within the manufacturer's moisture content specifications. Pre-primed hardboard should be lightly sanded with a fine grade paper to aid in removing any unwanted surface blocking additives which could interfere with the adhesion performance of this sealant.

METHOD OF APPLICATION

Expansion and Control Joints: Expansion and control joints are engineered into buildings to compensate for anticipated movement. They allow segments of the structure to move independently of each other while retaining the integrity of the structure. For this reason, only sealants which have good expansion and contraction capabilities should be used. Infinity Acrylic Urethane Elastomeric Sealant is not a structural product, but its expansion and contraction properties make it a good choice for sealing non-structural expansion and control joints. Joint Design: To a large extent, the design of the joint depends upon a variety of factors, such as maximum expansion and contraction of the surface materials due to



thermal change. Where possible, Infinity Acrylic Urethane Elastomeric Sealant should be applied when the joint is at its median opening to obtain the greatest efficiency with ongoing joint movement.

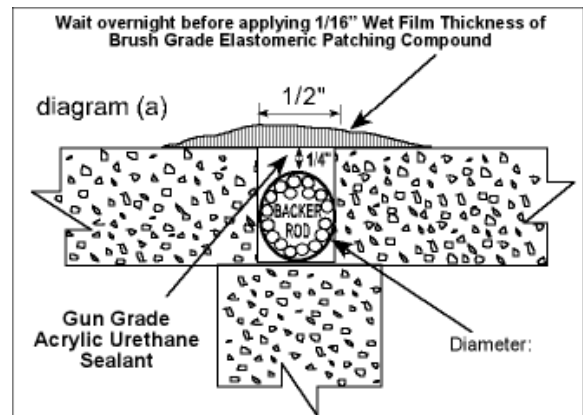
Service Conditions: The dimensions of the joint to be sealed must be established in relation to service conditions. The number of joints and joint width should be designed not to exceed $\pm 25\%$ maximum movement. The joint width may be determined by calculating the change in size of the joint between the high and low temperature extremes and multiplying the change by a factor of 4.

BACKING MATERIALS: In deep joints, sealant depth should be controlled with a closed cell "non-gassing" type backer-rod. Other caulks should not be used as fillers. Backer-rods should not be primed. Care should be taken to insure backer-rod is not punctured. When the depth of a joint does not permit the use of a backer-rod, a bond breaker (polyethylene strip) must be used to prevent three point bonding.

Joint Size: Minimum joint width should be 1/8" and maximum joint width 1/2". The maximum depth of the sealant should not exceed 1/2" (do not apply more than 1/4" per application). Joints which exceed 1/4" in depth require the insertion of an appropriately sized backer rod.

Sealant Depth: To maintain recommended sealant depth, backer-rod is installed by compressing and rolling into joint channel without stretching lengthwise. Backer-rod should be about 1/8" larger in diameter than the width of the joint to allow for compression. The foam becomes an integral part of the joint, since sealant does not adhere, and no separate bond breaker is required. Painting: It may be desirable to paint expansion joints which have been filled with Infinity Acrylic Urethane Elastomeric Sealant. Painting should only be undertaken when the sealant has cured, and then it is recommended that only a premium quality ELASTOMERIC coating be used for exterior application and that a premium grade latex enamel be used for interior surfaces. Since substantial elongation will be taking place in the joint, a coating without the capabilities to elongate will most likely crack, causing what is known as an alligator effect on the surface. Although the waterproofing capabilities of the system will not be affected, it may detract from the building aesthetics.

Technique: The diagram (a) shows an example of how movement is effectively dissipated across an entire joint. Use Infinity Acrylic Urethane Elastomeric Sealant to fill joint. Fill the gap from the deepest point to the surface and apply at a temperature above 50°F (10°C), permitting a small crest to remain allowing for any shrinkage that may occur. Allow to dry overnight and then apply either L410 or L431 Kover Krack brush grade Acrylic Elastomeric Sealant.



Usage Rate:

The following values represent a working guide for calculating the linear feet per cartridge of sealant needed to fill a cavity measuring approximately:

CAVITY SIZE

(Depth X Width)

(Depth X Width)	Linear Ft./Cartridge
3/16" X 3/16"	45
1/4" X 1/4"	25
1/4" X 1/2"	12
3/8" X 1/2"	8
1/2" X 1/2"	6

Packaging: 10.1 fluid oz. plastic cartridge. Packed 12 per carton.

Available in: L585-1 (White), L585-22 (Bronze), L585-17 (Limestone Gray).

When using, do not keep in direct sunlight for prolonged periods. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN.

Clean Up

Clean all equipment immediately after use with warm, soapy water.

LIMITATIONS

- o Do not use for structural repairs.
- o Do not apply when temperature of surface or air is below 50°F (10°C).
- o If rain or threatening weather is expected within 8 hours, delay application until dry conditions exist.
- o Never apply to frozen or frost covered substrates.

- Not for food contact surfaces.
- Allow "new" concrete to cure for 30 days before applying material.
- Avoid applying material if concrete is "hot" or registers a pH over 10.
- Do not apply product to wet or water saturated substrates or when the relative humidity is above 90%.
- Not for use below grade, or aquariums or for marine use below water line.
- Not to be used on stove pipes or fireplaces.
- Never mix with other materials.
- Do not use mineral spirits to clean equipment.

TECHNICAL Information: L585

Technical Data	Property Value	Test Method
Density (WPG/Lbs):	9.90 ± .10	Lab Value
% Solids by Weight	69.2 ± 2%	Lab Value
% Solids by Volume	60.3 ± 2%	Lab Value
Equilibrated Viscosity in Seconds/6 Fl.Oz.	10 ± 2 seconds	Semco: 1/8" Orifice
Pigment to Binder Ratio:	0.4 : 1	Lab Value
Freeze/Thaw Stability	Pass	Lab Value - 5 Cycles
VOC Content:	1.5%	Lab Value
VOC (less water and exempt compounds):	<19.0 g/L	Lab Value
pH (at release)	8 ± .2	Lab Value
Slump	Zero	ASTM -D-2202
Crack Resistance	Pass	(Unpainted) 5/8" x 5/8" Wood Channel
SEALANT CHARACTERISTICS		
Tensile Properties		
Stress at 25% Elongation (psi)		15 ± 2
Stress at 50% Elongation (psi)		25 ± 12
Stress at 100% Elongation (psi)		45 ± 14
Maximum Stress (psi)		151 ± 4
Elongation to Break (%)		580 ± 26
± 12.5% JOINT MOVEMENT (ASTM C-719)		

Handling and Safety

Material Safety Data Sheets (MSDS) are available upon request from Momentive Performance Materials. Similar information for solvents and other chemicals used with Momentive Performance Materials products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed. Do not breathe mist. Use only in well ventilated area. Wear respiratory protection if exposure to vapor or mist from processing is possible. KEEP OUT OF REACH OF CHILDREN.

Warranty

Momentive Performance Materials warrants the performance of this product, provided it is properly stored and applied before the "use before" date shown. If not satisfied, return product and/or proof of purchase to address below and Momentive Performance Materials will, at its option, replace or refund the purchase price of this product. MOMENTIVE PERFORMANCE MATERIALS shall in no event be liable for any other damages in excess of the amount of the purchase price. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR DEFECTS IN, OR FAILURE OF, THIS PRODUCT, AND THE SOLE AND EXCLUSIVE LIABILITY OF MOMENTIVE PERFORMANCE MATERIALS COMPANY THEREFOR. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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